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| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |  | ATTORNEY'S DOCKET NUMBER<br>7093-006                                |
| INTERNATIONAL APPLICATION NO.<br>PCT/KR2004/002507   | INTERNATIONAL FILING DATE<br>30 September 2004 | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><b>10/574316</b> |
| TITLE OF INVENTION<br><b>IMAGE SENSOR MOUNTED BY MASS REFLow</b>   |  |   |
| APPLICANT(S) FOR DO/EO/US<br><b>Jong-Heon KIM and Chi-Jung SONG</b>  |  |   |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |   |
| <p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ul> </p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))           <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto. (filed in English)</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ul> </p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ul> </p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> |  |   |
| <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>   |  |   |

AP20 Rec'd PTO 31 MAR 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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|---|--|--------------------------------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>107374516</b> | INTERNATIONAL APPLICATION NO.<br>PCT/KR2004/002507 | ATTORNEY'S DOCKET NUMBER<br>7093-006 |
|---|--|--------------------------------------|

20. Other items or information: Transmittal Letter, PCT Request and WIPO Publication

| The following fees have been submitted  |              |   |         | CALCULATIONS           | PTO USE ONLY |
|---|--------------|---|---------|------------------------|--------------|
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))  |              | \$300   |         | \$ 300.00              |              |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))   |              |   |         | \$ 200.00              |              |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....   | \$0          |   |         |                        |              |
| All other situations.....   | \$200        |   |         |                        |              |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))  |              |   |         |                        |              |
| If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....  | \$0          |   |         |                        |              |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....  | \$100        |   |         | \$400.00               |              |
| International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....   | \$400        |   |         |                        |              |
| All other situations.....   | \$500        |   |         |                        |              |
| <b>TOTAL OF 21, 22 and 23 =</b>   |              |   |         | \$ 900.00              |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). |              |   |         |                        |              |
| The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |   |         |                        |              |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE    |                        |              |
| 36 - 100 =  | 0 /50 =      |   | x \$250 | \$ 0                   |              |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).   |              |   |         | \$                     |              |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA  | RATE    | \$                     |              |
| Total claims  | 54 - 20 =    | 34  | x \$ 50 | \$ 1700.00             |              |
| Independent claims  | 3 - 3 =      | 0   | x \$200 | \$ 0                   |              |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |   | + \$360 | \$ 0                   |              |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |   |         | \$ 2600.00             |              |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.   |              |   |         |                        |              |
| <b>SUBTOTAL =</b>   |              |   |         | \$ 1300.00             |              |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).   |              |   |         | \$                     |              |
| <b>TOTAL NATIONAL FEE =</b>   |              |   |         | \$ 1300.00             |              |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |         | \$                     |              |
| <b>TOTAL FEES ENCLOSED =</b>  |              |   |         | \$ 1300.00             |              |
|   |              |   |         | Amount to be refunded: | \$           |
|   |              |   |         | Amount to be charged   | \$1300.00    |

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10/574316

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- a.  A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 13-1703. A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.**

SEND ALL CORRESPONDENCE TO:

Hosoon Lee  
 Marger Johnson & McCollom, P.C.  
 210 SW Morrison St., Suite 400  
 Portland, Oregon 97204 USA  
 (503) 222-3613



SIGNATURE

Hosoon Lee

NAME

56,737

REGISTRATION NUMBER

101574316  
JAP20 Rec'd PCT/PTO 31 MAR 2006

PATENT APPLICATION  
Attorney's Doc. No. 7093-006  
Client Ref. No. NEP/06089/US

EXPRESS MAIL

MAILING LABEL NO. EV 696905571 US  
DATE OF DEPOSIT: MARCH 31, 2006

I HEREBY CERTIFY THAT THIS PAPER AND ENCLOSURES AND/OR FEE ARE BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO: MAIL STOP PCT, COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 20231.

Natasha French  
(SENDER'S PRINTED NAME)

Natasha French  
(SIGNATURE)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
U.S. RECEIVING OFFICE (RO/US)

In Re: International Application  
No. PCT/KR2004/002507

Filed: September 30, 2004

Applicant: Jong-Heon KIM and Chi-Jung SONG

Title of Invention: IMAGE SENSOR MOUNTED BY MASS REFLOW

Agent's File Ref.: 7093-006

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Transmittal Letter**

Enclosed for filing regarding the above-referenced International Application are the following:

- Transmittal letter to U.S. Designated Office (DO/EO/US) concerning filing Under 35 U.S.C. 371 (PTO-1390)
- Filing (\$ 150); Search (\$ 200); Examination (\$ 100) fees
- Surcharge (\$ 850) fee
- Specification (pages 1-15); claims (pages 16-23); abstract (page 24)
- TWELVE sheets of FORMAL drawings (FIGS. 1-26)
- International Search Report
- Published PCT Application
- Request
- Applicant claims small entity status (see 37 CFR 1.27)

10/574316

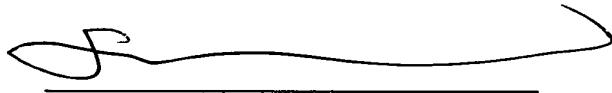
IAP20 Rec'd PTO 31 MAR 2006

- PTO Form 2038 authorizing credit card payment of \$ 1300.00 for filing, examination, search and additional claims fees
- Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.

**Customer No. 20575**

Respectfully submitted,

MARGER JOHNSON & McCOLLUM, P.C.



Hosoon Lee  
Reg. No. 56,737

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